



UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF
THE DEGREE OF BACHELOR OF EDUCATION AND BACHELOR OF ARTS
FIRST SEMESTER 2021/2022
FEBRUARY- JUNE 2022**

GEOG 213: ATMOSPHERIC SYSTEMS AND GLOBAL CLIMATE

Instructions:

Answer question **ONE** and any other **TWO Questions**

Question one

- i) Explain the following terms (10 Marks)
 - a) Airmasses
 - b) Frontolysis
 - c) Atmospheric circulation
 - d) Coriolis effect
 - e) Pressure gradient force
- ii) Describe the global wind circulation patterns (12 Marks)
- iii) Describe the Collision-Coalescence Process of precipitation formation (8 marks)

Question two

- a). What is climate change? (2 Marks)
- b). Examine the natural causes of climate change (18 Marks)

Question three

- a). Examine the two approaches to climate classification (10 Marks)
- b). Explain the purpose and problems of classifying climates (10 Marks)

Question four

Describe the four types of fronts and explain how they influence climate (20 Marks)

Question five

Examine any five factors that influence the global distribution of temperature (20 Marks)

